

**Calendar No. 274**117<sup>TH</sup> CONGRESS  
2<sup>D</sup> SESSION**S. 442****[Report No. 117–80]**

To amend title 40, United States Code, to require the Administrator of General Services to procure the most life-cycle cost effective and energy efficient lighting products and to issue guidance on the efficiency, effectiveness, and economy of those products, and for other purposes.

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## IN THE SENATE OF THE UNITED STATES

FEBRUARY 25, 2021

Mr. PETERS (for himself and Mr. JOHNSON) introduced the following bill; which was read twice and referred to the Committee on Homeland Security and Governmental Affairs

FEBRUARY 16, 2022

Reported by Mr. PETERS, without amendment

**A BILL**

To amend title 40, United States Code, to require the Administrator of General Services to procure the most life-cycle cost effective and energy efficient lighting products and to issue guidance on the efficiency, effectiveness, and economy of those products, and for other purposes.

1 *Be it enacted by the Senate and House of Representa-*  
2 *tives of the United States of America in Congress assembled,*

1 **SECTION 1. SHORT TITLE.**

2 This Act may be cited as the “Bulb Replacement Im-  
3 proving Government with High-efficiency Technology Act”  
4 or the “BRIGHT Act”.

5 **SEC. 2. GUIDANCE.**

6 Not later than 1 year after the date of enactment  
7 of this Act, the Administrator of General Services shall—

8 (1) issue guidance to Federal agencies for the  
9 procurement and use of the most life-cycle cost ef-  
10 fective and energy efficient lighting systems (as de-  
11 termined in accordance with section 3313 of title 40,  
12 United States Code) to increase the efficiency, effec-  
13 tiveness, and economy of the Federal Government;  
14 and

15 (2) publish on the internet or otherwise make  
16 available to State, local, and Tribal entities informa-  
17 tion on ways to improve efficiency, effectiveness, and  
18 economy by procuring and using the most life-cycle  
19 cost effective and energy efficient lighting systems  
20 (as determined in accordance with section 3313 of  
21 title 40, United States Code).

22 **SEC. 3. PROCUREMENT OF LIFE-CYCLE COST EFFECTIVE**  
23 **AND ENERGY EFFICIENT LIGHTING SYSTEMS.**

24 (a) IN GENERAL.—Section 3313 of title 40, United  
25 States Code, is amended—

26 (1) by striking subsection (h);

1           (2) by redesignating subsections (d) through (g)  
2 as subsections (f) through (i), respectively;

3           (3) by striking the section designation and  
4 heading and all that follows through the end of sub-  
5 section (c) and inserting the following:

6 **“§ 3313. Procurement of life-cycle cost effective and**  
7 **energy efficient lighting systems**

8           “(a) DEFINITIONS.—In this section:

9           “(1) ADMINISTRATOR.—The term ‘Adminis-  
10 trator’ means the Administrator of General Services.

11           “(2) LIGHTING SYSTEM.—The term ‘lighting  
12 system’ means the elements required to maintain a  
13 desired light level, including lamps, light fixtures,  
14 fixture distribution, sensors and control technologies,  
15 interior design elements, and daylighting sources.

16           “(b) PROCUREMENT.—

17           “(1) IN GENERAL.—To the maximum extent  
18 practicable, the Administrator shall—

19           “(A) procure the most life-cycle cost effec-  
20 tive and energy efficient lighting systems; and

21           “(B) ensure that procurements after the  
22 date of enactment of the BRIGHT Act of light-  
23 ing systems or the individual components of  
24 lighting systems maximize life-cycle cost effec-  
25 tiveness and energy efficiency.

1           “(2) USE.—Each public building constructed,  
2 altered, acquired, or leased by the Administrator  
3 shall be equipped, to the maximum extent prac-  
4 ticable as determined by the Administrator, with the  
5 most life-cycle cost effective and energy efficient  
6 lighting systems for each application.

7           “(c) MAINTENANCE OF PUBLIC BUILDINGS.—Each  
8 individual component of a lighting system, including a  
9 lamp or fixture, that is replaced by the Administrator in  
10 the normal course of maintenance of public buildings shall  
11 be replaced, to the maximum extent practicable, with the  
12 most life-cycle cost effective and energy efficient lighting  
13 system possible for the application.

14           “(d) CONSIDERATIONS.—

15           “(1) CONTRACTING OPTIONS.—In carrying out  
16 this section, the Administrator shall consider appro-  
17 priate contracting options for the procurement of the  
18 most life-cycle cost effective and energy efficient  
19 lighting systems.

20           “(2) PROCUREMENT AND USE.—In making a  
21 determination under this section concerning the  
22 practicability of procuring and installing the most  
23 life-cycle cost effective and energy efficient lighting  
24 system, the Administrator shall consider—

1           “(A) the compatibility of the lighting sys-  
2           tem with existing equipment, including consid-  
3           eration of a cost effective retrofit;

4           “(B) whether procurement and use of the  
5           lighting system could result in interference with  
6           productivity;

7           “(C) the aesthetics relating to the use of  
8           the lighting system; and

9           “(D) such other factors as the Adminis-  
10          trator determines to be appropriate.

11          “(e) LIFE-CYCLE COST EFFECTIVE.—The Adminis-  
12          trator shall use the procedures and methods established  
13          under section 544(a) of the National Energy Conservation  
14          Policy Act (42 U.S.C. 8254(a)) in determining whether  
15          a lighting system is life-cycle cost effective.”;

16          (4) in subsection (f) (as so redesignated)—

17                 (A) in the matter preceding paragraph (1),  
18                 by striking “lighting fixture or bulb” and in-  
19                 serting “lighting system”;

20                 (B) in paragraph (1), by striking “the fix-  
21                 ture or bulb is” and inserting “the lighting sys-  
22                 tem or the individual components of the lighting  
23                 system are”; and

24                 (C) in paragraph (3), by striking “fixture  
25                 or bulb” and inserting “lighting system”;

1           (5) in subsection (g) (as so redesignated), by  
2           inserting “procurement and” before “use in public  
3           buildings”; and

4           (6) in subsection (h) (as so redesignated), by  
5           inserting “procurement and” before “use of energy  
6           efficient”.

7           (b) CLERICAL AMENDMENT.—The analysis for chap-  
8           ter 33 of title 40, United States Code, is amended by  
9           striking the item relating to section 3313 and inserting  
10          the following:

“3313. Procurement of life-cycle cost effective and energy efficient lighting systems.”.



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